AMENDMENTS TO THE CLAIMS

Please cancel claims 156-159, 162-170, 173-190, 193-197, and 202 without prejudice.

Please amend claims 136, 138, 139, and 154 as shown below.

Please add new claims 205-226 as shown in the following list of claims:

- 1.-135. (Canceled).
- 136. (Currently Amended) A compound having the formula:

$$(R_a)_n$$
 A^4
 R^1
 R^2
 R^4
 Q
 R^4
 R^3

or a pharmaceutically acceptable salt thereof wherein:

 A^4 is N;

X is -C(O)- or $-CH_2$ -;

 R^1 and R^2 are members independently selected from the group consisting of H and (C_1-C_4) alkyl;

 R^3 is a member selected from the group consisting of hydroxy, (C_1-C_8) alkoxy, amino, (C_1-C_8) alkylamino, $di(C_1-C_8)$ alkylamino, (C_2-C_8) heteroalkyl, (C_3-C_9) heterocyclyl,

 $(C_1\text{-}C_8) a cylamino, amidino, guanidino, ureido, cyano, heteroaryl, \text{-}CONR^9R^{10} \ and \text{-}CO_2R^{11};$

 R^4 is a member selected from the group consisting of (C_1-C_{20}) alkyl, (C_2-C_{20}) heteroalkyl, heteroaryl, aryl, heteroaryl (C_1-C_6) alkyl, heteroaryl (C_2-C_6) heteroalkyl, aryl (C_1-C_6) alkyl and aryl (C_2-C_6) heteroalkyl;

each R^9 , R^{10} and R^{11} is independently selected from the group consisting of H, (C_1-C_8) alkyl, (C_2-C_8) heteroalkyl, heteroaryl, aryl, heteroaryl (C_1-C_6) alkyl, heteroaryl (C_2-C_8) heteroalkyl, aryl (C_1-C_8) alkyl and aryl (C_2-C_8) heteroalkyl;

R¹⁴ is <u>a</u> substituted or unsubstituted aryl or heteroaryl <u>member selected from the group consisting of phenyl, pyridyl, thiazolyl, thienyl and pyrimidinyl;</u>

Q is -C(O)-;

L is (C₁-C₈)alkylene;

the subscript n is an integer from 0 to 4; and

each R_a is independently selected from the group consisting of halogen, -OR', -OC(O)R', -NR'R", -SR', -R', -CN, -NO₂, -CO₂R', -CONR'R", -C(O)R', -OC(O)NR'R", -NR"C(O)R', -NR"C(O)₂R', ,-NR'-C(O)NR"R"', -NH-C(NH₂)=NH, -NR'C(NH₂)=NH, -NH-C(NH₂)=NR', -S(O)₂R', -S(O)₂R', -S(O)₂NR'R", -N₃, -CH(Ph)₂, perfluoro(C₁-C₄)alkoxy and perfluoro(C₁-C₄)alkyl, wherein R', R" and R"' are each independently selected from the group consisting of H, (C₁-C₈)alkyl, (C₂-C₈)heteroalkyl, unsubstituted aryl, unsubstituted heteroaryl, (unsubstituted aryl)-(C₁-C₄)alkyl and (unsubstituted aryl)oxy-(C₁-C₄)alkyl.

- 137. (Previously Added) The compound of Claim 136, wherein X is -C(O)-.
- 138. (Currently Amended) The compound of Claim 136, wherein R¹⁴ is a substituted or unsubstituted <u>phenyl</u>. member selected from the group consisting of phenyl, pyridyl, thiazolyl, thienyl and pyrimidinyl.
- 139. (Currently Amended) The compound of Claim 137, wherein R¹⁴ is a substituted or unsubstituted <u>phenyl</u>. member selected from the group consisting of phenyl, pyridyl, thiazolyl, thienyl and pyrimidinyl.
- 140. (Previously Added) The compound of Claim 136, wherein R³ is (C₁-C₈)acylamino.
- 141. (Previously Added) The compound of Claim 136, wherein R^4 is substituted or unsubstituted benzyl, wherein said substituents are selected from the group consisting of halogen, halo(C_1 - C_4)alkyl, halo(C_1 - C_4)alkoxy, cyano, nitro and phenyl.
- 142. (Previously Added) The compound of Claim 136, wherein R¹⁴ is selected from the group consisting of substituted phenyl, substituted pyridyl, substituted thiazolyl and substituted thienyl, wherein the substituents are selected from the group consisting of cyano, halogen, (C₁-C₈)alkoxy, (C₁-C₈)alkyl, (C₂-C₈)heteroalkyl, CONH₂, methylenedioxy and ethylenedioxy.
- 143. (Previously Added) The compound of Claim 136, wherein R¹⁴ is substituted phenyl, wherein the substituents are selected from the group consisting of cyano, halogen, (C₁-C₈)alkoxy, (C₁-C₈)alkyl, (C₂-C₈)heteroalkyl, CONH₂, methylenedioxy and ethylenedioxy.

- 144. (Previously Added) The compound of Claim 136, wherein R^4 is substituted or unsubstituted benzyl, wherein said substituents are selected from the group consisting of halogen, halo(C_1 - C_4)alkyl, halo(C_1 - C_4)alkoxy, cyano, nitro and phenyl, and R^{14} is substituted phenyl, wherein the substituents are selected from the group consisting of cyano, halogen, (C_1 - C_8)alkoxy, (C_1 - C_8)alkyl, (C_2 - C_8)heteroalkyl, CONH₂, methylenedioxy and ethylenedioxy.
- 145. (Previously Added) The compound of Claim 136, wherein R¹ is selected from the group consisting of methyl, ethyl and propyl, and R² is hydrogen.
- 146. (Previously Added) The compound of Claim 136, wherein R^1 and R^2 are each methyl.
- 147. (Previously Added) The compound of Claim 136, wherein L is (C_1-C_4) alkylene.
- 148. (Previously Added) The compound of Claim 136, wherein R^3 is a member selected from the group consisting of (C_1-C_8) alkoxy, (C_3-C_9) heterocyclyl and heteroaryl.
- 149. (Previously Added) The compound of Claim 136, wherein R³ is heteroaryl.
- 150. (Previously Added) The compound of Claim 136, wherein R^3 is heteroaryl and R^4 is substituted or unsubstituted benzyl, wherein said substituents are selected from the group consisting of halogen, halo(C_1 - C_4)alkyl, halo(C_1 - C_4)alkoxy, cyano, nitro and phenyl.
- 151. (Previously Added) The compound of Claim 136, wherein R³ is selected from the group consisting of substituted or unsubstituted pyridyl and substituted or unsubstituted imidazolyl.
- 152. (Previously Added) The compound of Claim 136, wherein R¹ and R² are each independently selected from the group consisting of H, methyl and ethyl; R¹⁴ is phenyl; L is methylene, ethylene or propylene; R³ is selected from the group consisting of substituted or unsubstituted pyridyl and substituted or unsubstituted imidazolyl; and R⁴ is substituted or

unsubstituted benzyl, wherein said substituents are selected from the group consisting of halogen, halo (C_1-C_4) alkyl, halo (C_1-C_4) alkoxy, cyano, nitro and phenyl.

- 153. (Previously Added) A pharmaceutical composition comprising the compound of Claim 136 and a pharmaceutically acceptable carrier or diluent.
- 154. (Currently Amended) A method of treating <u>psoriasis</u>, <u>rheumatoid arthritis</u>, <u>inflammatory bowel disease</u>, <u>asthma</u>, <u>organ transplant conditions</u>, <u>or multiple sclerosis</u> an inflammatory or immune condition or disease in a subject, said method comprising administering to a subject in need of such treatment a therapeutically effective amount of the compound of Claim 136.
- 155. (Previously Added) The method of Claim 154, wherein said compound is administered orally, parenterally or topically.

156.-202. (Canceled).

- 203. (Previously Added) A method for the modulation of CXCR3 function in a cell, comprising contacting said cell with a compound of Claim 136.
- 204. (Previously Added) A method for the modulation of CXCR3 function, comprising contacting a CXCR3 protein with a compound of Claim 136.
- 205. (New) A compound having the formula:

$$(R_a)_n$$
 R^1
 R^2
 R^4
 Q
 R^4
 R^3

or a pharmaceutically acceptable salt thereof wherein:

 A^4 is N:

X is -C(O)- or $-CH_2$ -;

 R^1 and R^2 are members independently selected from the group consisting of H and (C_1-C_4) alkyl;

 R^3 is a member selected from the group consisting of hydroxy, (C_1-C_8) alkoxy, amino, (C_1-C_8) alkylamino, (C_1-C_8) alkylamino, (C_2-C_8) heteroalkyl, (C_3-C_9) heterocyclyl,

 (C_1-C_8) acylamino, amidino, guanidino, ureido, cyano, heteroaryl, -CONR $^9R^{10}$ and -CO $_2R^{11}$;

 (C_2-C_{20}) heteroalkyl, heteroaryl, aryl, heteroaryl (C_1-C_6) alkyl, heteroaryl (C_2-C_6) heteroalkyl, aryl (C_1-C_6) alkyl and aryl (C_2-C_6) heteroalkyl;

each R^9 , R^{10} and R^{11} is independently selected from the group consisting of H, (C_1-C_8) alkyl, (C_2-C_8) heteroalkyl, heteroaryl, aryl, heteroaryl (C_1-C_6) alkyl, heteroaryl (C_2-C_8) heteroalkyl, aryl (C_1-C_8) alkyl and aryl (C_2-C_8) heteroalkyl;

 R^4 is a member selected from the group consisting of (C_1-C_{20}) alkyl,

R¹⁴ is substituted or unsubstituted aryl or heteroaryl;

Q is -C(O)-;

L is (C_1-C_8) alkylene;

the subscript n is an integer from 0 to 4; and

each R_a is independently selected from the group consisting of halogen, -OR', -OC(O)R', -NR'R", -SR', -R', -CN, -NO₂, -CO₂R', -CONR'R", -C(O)R', -OC(O)NR'R", -NR"C(O)R', -NR"C(O)₂R', ,-NR'-C(O)NR"R"', -NH-C(NH₂)=NH, -NR'C(NH₂)=NH, -NH-C(NH₂)=NR', -S(O)₂R', -S(O)₂NR'R", -N₃, -CH(Ph)₂, perfluoro(C₁-C₄)alkoxy and perfluoro(C₁-C₄)alkyl, wherein R', R" and R"' are each independently selected from the group consisting of H, (C₁-C₈)alkyl, (C₂-C₈)heteroalkyl, unsubstituted aryl, unsubstituted heteroaryl, (unsubstituted aryl)-(C₁-C₄)alkyl and (unsubstituted aryl)oxy-(C₁-C₄)alkyl.

- 206. (New) The compound of Claim 205, wherein X is -C(O)-.
- 207. (New) The pharmaceutical composition of Claim 153, wherein X is -C(O)-.
- 208. (New) The pharmaceutical composition of Claim 153, wherein R¹⁴ is a substituted or unsubstituted phenyl.
- 209. (New) The pharmaceutical composition of Claim 153, wherein R^3 is (C_1-C_8) acylamino.
- 210. (New) The pharmaceutical composition of Claim 153, wherein R^4 is substituted or unsubstituted benzyl, wherein said substituents are selected from the group consisting of halogen, halo(C_1 - C_4)alkyl, halo(C_1 - C_4)alkoxy, cyano, nitro and phenyl.

- 211. (New) The pharmaceutical composition of Claim 153, wherein R¹⁴ is selected from the group consisting of substituted phenyl, substituted pyridyl, substituted thiazolyl and substituted thienyl, wherein the substituents are selected from the group consisting of cyano, halogen, (C₁-C₈)alkoxy, (C₁-C₈)alkyl, (C₂-C₈)heteroalkyl, CONH₂, methylenedioxy and ethylenedioxy.
- 212. (New) The pharmaceutical composition of Claim 153, wherein R¹⁴ is substituted phenyl, wherein the substituents are selected from the group consisting of cyano, halogen, (C₁-C₈)alkoxy, (C₁-C₈)alkyl, (C₂-C₈)heteroalkyl, CONH₂, methylenedioxy and ethylenedioxy.
- 213. (New) The pharmaceutical composition of Claim 153, wherein R^4 is substituted or unsubstituted benzyl, wherein said substituents are selected from the group consisting of halogen, halo(C_1 - C_4)alkyl, halo(C_1 - C_4)alkoxy, cyano, nitro and phenyl, and R^{14} is substituted phenyl, wherein the substituents are selected from the group consisting of cyano, halogen, (C_1 - C_8)alkoxy, (C_1 - C_8)alkyl, (C_2 - C_8)heteroalkyl, CONH₂, methylenedioxy and ethylenedioxy.
- 214. (New) The pharmaceutical composition of Claim 153, wherein R¹ is selected from the group consisting of methyl, ethyl and propyl, and R² is hydrogen.
- 215. (New) The pharmaceutical composition of Claim 153, wherein L is (C_1-C_4) alkylene.
- 216. (New) The pharmaceutical composition of Claim 153, wherein X is -C(O)-; R^1 and R^2 are each independently selected from the group consisting of H, methyl and ethyl; R^{14} is selected from the group consisting of substituted and unsubstituted phenyl; L is methylene, ethylene or propylene; R^3 is selected from the group consisting of substituted or unsubstituted pyridyl and substituted or unsubstituted imidazolyl; and R^4 is substituted or unsubstituted benzyl, wherein said substituents are selected from the group consisting of halogen, halo(C_1 - C_4)alkyl, halo(C_1 - C_4)alkoxy, cyano, nitro and phenyl.
- 217. (New) The method of Claim 154, wherein X is -C(O)-.

- 218. (New) The method of Claim 154, wherein R¹⁴ is a substituted or unsubstituted phenyl.
- 219. (New) The method of Claim 154, wherein R^3 is (C_1-C_8) acylamino.
- 220. (New) The method of Claim 154, wherein R^4 is substituted or unsubstituted benzyl, wherein said substituents are selected from the group consisting of halogen, halo(C_1 - C_4)alkyl, halo(C_1 - C_4)alkoxy, cyano, nitro and phenyl.
- 221. (New) The method of Claim 154, wherein R¹⁴ is selected from the group consisting of substituted phenyl, substituted pyridyl, substituted thiazolyl and substituted thienyl, wherein the substituents are selected from the group consisting of cyano, halogen, (C₁-C₈)alkoxy, (C₁-C₈)alkyl, (C₂-C₈)heteroalkyl, CONH₂, methylenedioxy and ethylenedioxy.
- 223. (New) The method of Claim 154, wherein R^4 is substituted or unsubstituted benzyl, wherein said substituents are selected from the group consisting of halogen, halo(C_1 - C_4)alkyl, halo(C_1 - C_4)alkoxy, cyano, nitro and phenyl, and R^{14} is substituted phenyl, wherein the substituents are selected from the group consisting of cyano, halogen, (C_1 - C_8)alkoxy, (C_1 - C_8)heteroalkyl, CONH₂, methylenedioxy and ethylenedioxy.
- 224. (New) The method of Claim 154, wherein R¹ is selected from the group consisting of methyl, ethyl and propyl, and R² is hydrogen.
- 225. (New) The method of Claim 154, wherein L is (C_1-C_4) alkylene.
- 226. (New) The method of Claim 154, wherein X is -C(O)-; R^1 and R^2 are each independently selected from the group consisting of H, methyl and ethyl; R^{14} is selected from the group consisting of substituted and unsubstituted phenyl; L is methylene, ethylene or propylene; R^3 is selected from the group consisting of substituted or unsubstituted pyridyl and substituted or unsubstituted imidazolyl; and R^4 is substituted or unsubstituted benzyl, wherein said substituents are selected from the group consisting of halogen, halo(C_1 - C_4)alkyl, halo(C_1 - C_4)alkoxy, cyano, nitro and phenyl.